INTERNATIONAL SEARCH REPORT

International application No. PCT/KR2004/000583

| A | A. CLASSIFICATION OF SUBJECT MATTER | | | | |
|---|--|--|---|------------------------|--|
| IPC7 H01Q 3/08 | | | | | |
| According to International Patent Classification (IPC) or to both national classification and IPC | | | | | |
| B. FIELDS SEARCHED | | | | | |
| Minimum documentation searched (classification system followed by classification symbols) | | | | | |
| IPC H01Q 3/08, 1/18, 3/02, 3/04 | | | | | |
| Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched | | | | | |
| KR, JP, US: IPC as above | | | | | |
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| Electronic data base consulted during the intertnational search (name of data base and, where practicable, search terms used) KIPO Net, PAJ, FPD, USPAT, Delphion | | | | | |
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| C. DOCUMENTS CONSIDERED TO BE RELEVANT | | | | | |
| H | Category* | Citation of document, with indication, where app | propriate, of the relevant passages | Relevant to claim No. | |
| ┝ | | | | 1 | |
| | Y A | JP 7-050514 (SANWASEIKI CO LTD) 21 Feb 1995 See th whole document and Fig 1, 4See th whole doc | cument and Fig 1, 4, 8-11 | 2-10 | |
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| | A US 4,920,350 (Comsat Telesystems Inc.) 24 Apr 1990 | | 1-6 | | |
| | | See the abstract and Fig 6 | | | |
| | | 77 C 10 1700 GL 01 1 VIII NA CO I TO 15 A 1 | 204 | 1-6 | |
| | A JP 6-104780 (YAGIANTENNA CO LTD) 15 Apr 1994 See th whole document and Fig 1 | | 994 | 1-0 | |
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| H | | | | <u> </u> | |
| Ŀ | Further documents are listed in the continuation of Box C. | | | | |
| * | Special categories of cited documents: "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand | | | | |
| to be of particular relevance | | | the principle or theory underlying the invent "X" document of particular relevance; the claime | ion | |
| filing date | | | considered novel or cannot be considered t | | |
| " | L" document cited to es | which may throw doubts on priority claim(s) or which is stablish the publication date of citation or other | step when the document is taken alone "Y" document of particular relevance; the claims | ed invention cannot be | |
| special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other | | | considered to involve an inventive step when the document is combined with one or more other such documents, such combination | | |
| means . beir | | | being obvious to a person skilled in the art "&" document member of the same patent family | - · ·- | |
| " | than the priority date claimed | | | | |
| Date of the actual completion of the international search | | ual completion of the international search | Date of mailing of the international search re | port | |
| 20 ЛЛГ 2004 (20.07.2004) | | 0 JULY 2004 (20.07.2004) | 21 JULY 2004 (21.07.2004) | | |
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| | | Republic of Korea | Telephone No. 82-42-481-5169 | | |
| 1 | racsimile No. | 82-42-472-7140 | 1 0.0phono 110. 02-12-101-5105 | | |